
**Reference data for financial
services — Overview of identification
of financial instruments**

*Données de référence pour les services financiers — Identification des
instruments financiers*

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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Process used in creation of overview	2
5 Overview	2
Annex A (informative) Identifier overview and glossary	3
Bibliography	4

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 068, *Financial services*, Subcommittee SC 08, *Reference data for financial services*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The identification of financial instruments is a core component for properly functioning financial markets. Both regulatory and operational issues influence the need for standard identifiers for financial instruments. This identification is central to enabling increasingly complex markets, from individual firms managing data internally, to communication between multiple parties concerning an asset, to regulatory oversight and overall transparency.

As far back as 1998, industry reports such as those produced by the Giovannini Group, the G30, and the G20 have recommended both harmonization and interoperability of financial instrument standards for communication and identification purposes.

Regulation drives a significant amount of adoption and change, while innovation still comes from niche areas of the financial industry (an example from 2016 being shared ledger technologies, e.g. Blockchain). Potential frictions resulting from conflicting mandates by different or overlapping jurisdictions are addressed by bodies trying to harmonize requirements. A major theme is the harmonization efforts across asset classes and jurisdictions. This is occurring through specific requirements for the use of specific standards, as well as guiding principles on how those standards should be utilized. Some industry initiatives in many parts of the world are likewise relevant to instrument identifiers.

This document results from a study of identifiers of financial instruments across asset classes, which extends beyond basic financial instruments and identifiers.

The accompanying overview represents an inventory of the current international, national, proprietary and/or de facto standards in use globally and encompasses a broad constituency across the entire instrument life cycle.

Understanding the universe of existing standards can lead to further investigation and understanding of where, when and why specific standards are used. It can lead to efforts to either harmonize, where appropriate, or identify at what points interoperability is best achieved.

There has been some success in the efforts for harmonization and interoperability. It is recognized there is still much work to be accomplished. This document shows that there are existing underlying reasons for multiple identification schemes and that their existence is more a symptom of core systemic barriers. Multiple identification schemes should not be viewed as a primary barrier in achieving harmonization or interoperability.

The identifiers available in a machine-readable file at <https://standards.iso.org/iso/tr/21797/ed-1/en> are represented without copyright restriction.

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Reference data for financial services — Overview of identification of financial instruments

1 Scope

This document gives an overview of existing and currently used financial instrument identifiers. It shows which instrument identifiers, ticker symbols and proprietary codes are assigned via a standardized scheme to instruments of all asset classes. It focuses on providing an overview of the landscape and not on evaluating the schemes. Several aspects of the detailed trade cycle (a few examples being book building/primary, order entry management, execution management and trade confirmation matching) are excluded as their complexity would reduce the readability of the overview. Similarly, the level of complexity involved in properly representing the shifting perspectives of what is considered a financial instrument, based on a particular function being performed, is excluded.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the terms and definitions given in the machine-readable file at <https://standards.iso.org/iso/tr/21797/ed-1/en> and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

international identifier

code supported by a recognized international standards body

Note 1 to entry: Identifier code used worldwide.

EXAMPLE ISIN, Common Code.

3.2

national identifier

local identifier

code approved and sponsored through a nationally recognized standards body

Note 1 to entry: Uniquely identifies securities and financial instruments in a domestic market. An instrument or security may have multiple national security identifiers, for example Valoren, WKN or CUSIP. However, these security identifiers are also assigned to financial securities worldwide. In such instances the security identifier will be classified as national/international.

3.3

regional identifier

code used in a geographical region but not related to a specific country jurisdiction (e.g. European Union)

3.4

proprietary identifier

code created and supported by an independent firm, or community of firms, with or without sponsorship from a national or international standards body

3.5

open data

data available without restrictions from copyright, patents or other mechanisms of control or costs, regardless of access, or use

3.6

licensing

restrictions potentially placed on the use of data, whether through volume, redistribution or the addition of value-added information

4 Process used in creation of overview

Several aspects were analysed to identify the key elements that need to be covered by the overview. Regarding asset classes, the category and group level (i.e. first and second characters) as specified in ISO 10962 are the primary criteria against which each of the mentioned identification schemes are classified.

In many markets, the trading life cycle uses multiple identifiers and symbologies for the same financial instrument. The identifier sources are numerous: proprietary venue symbology, international or national standards, other vendor and industry-created identifiers. These identifiers are used in the predominant messaging standards in use (ISO 15022, ISO 20022, FpML, xBRL and FIX). Different identifier schemes may be applicable for various trade life-cycle processes for the “same” financial instrument.

5 Overview

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An identifier overview and glossary, available in a machine-readable file at <https://standards.iso.org/iso/tr/21797/ed-1/en>, provides each identifier’s current relationship to the various asset classes (see [Annex A](#)). An identifier may apply only to a specific function in the trade or instrument life cycle, may carry some level of licensing fees, be open data or be offered on a cost-recovery basis. Certain identifier schemes are specifically designed to cover a limited number of asset classes or a specific universe. These identifier schemes may continue to offer only partial coverage, as they do not intend to cover further asset classes [e.g. the APIR code only covers collective investment vehicles (CIV) as this is a CIV identification scheme, and OCC code is only used for futures and options in the USA and Canada that are listed on CME only].

Annex A **(informative)**

Identifier overview and glossary

An identifier overview and glossary, available in a machine-readable file at <https://standards.iso.org/iso/tr/21797/ed-1/en>, shows the currently understood universe, leaving open any future expansion or contraction of coverage.

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